DXCC OR WAZ

SO. CALIF DX CLUB

# Bulletin

July 1982

*President: Jim Stevenson, KM6B □ Vice President: Neil Kaltman, K6SMF*
*Treasurer: Don Moses, W6UY □ Secretary: Joe Locascio, K5KT*
*Directors: Tom Hoyne, N6NI; Lee Graves, WB6VTE; Jan Perkins, N6AW;*
*Bob Cobb, W6CN (membership); Mike Hudgens, W6YQ (bulletin)*

***Next meeting:*** Thursday, July 8 at 7:30 PM. Annual Pizza Bash, Shakey's, 5321 Laurel Canyon Blvd., No. Hollywood.

*For a paltry $5, you get all the pizza and chicken you can eat, **plus** a raffle ticket on an impressive prize list, which includes an IC2AT. Looks like a great evening.*

## Burton to serve time

Richard A. Burton, ex-WB6JAC, was sentenced June 28 to serve six months in the federal penitentiary.

His incarceration begins July 6. At the end of the term he is to spend 1500 hours in some type of community service as yet unspecified.

On June 8, U.S. District Judge Manuel

**Continued on page 2**

## *DX news highlights*

**China** *is* on, regardless of what has been printed elsewhere. In a letter dated June 19, the chief op of **BY1PK, Tong Xiao-yong**, tells us, "We'll work at 15.00—17.00 GMT on 21 MHz and 14 MHz. Best regards from my friends. 73 and Best DX!" QSL Box 6106, Beijing. IRCs are good.

**Continued on page 3**

## Don't forget the Sprint

Log forms and dupe sheets for the upcoming SCDXC Summer Sprint will be available at the July 8 Pizza Bash. See Jan Perkins, N6AW.

Even if contesting isn't your thing, you might like this one. It's only 12 hours long—plus whatever time you take for breaks.

**Continued on page 4**

# *The power question*

Did amateur radio get the short end of the stick?

**By Stan Brokl, N2YQ**

For many years the broadcast industry has used ERP, or effective radiated power, to specify licensed operations while the amateur has been forced to monitor his DC input power as a means of controlling his radiated signal. Oftentimes, amateurs with strong signals have been accused of running superpower when the truth of the matter is, they're running no more than the legal limit and a six-element array is doing all the work.

ERP is simply the product of the power to the antenna and antenna gain. If 1 kW is reaching the antenna, the gain of which is 6 dB, the product would be 6 dBk, or 4 kW ERP.

Height above ground also plays a big part. If your dipole is less than half a wavelength above ground, gain suffers. In fact, a dipole at 20 feet on 40 meters has a "gain" of 0.5 dB. In other words, for 1 kW into this antenna, the ERP is 0.5 dBk, or 500 watts. Not too good.

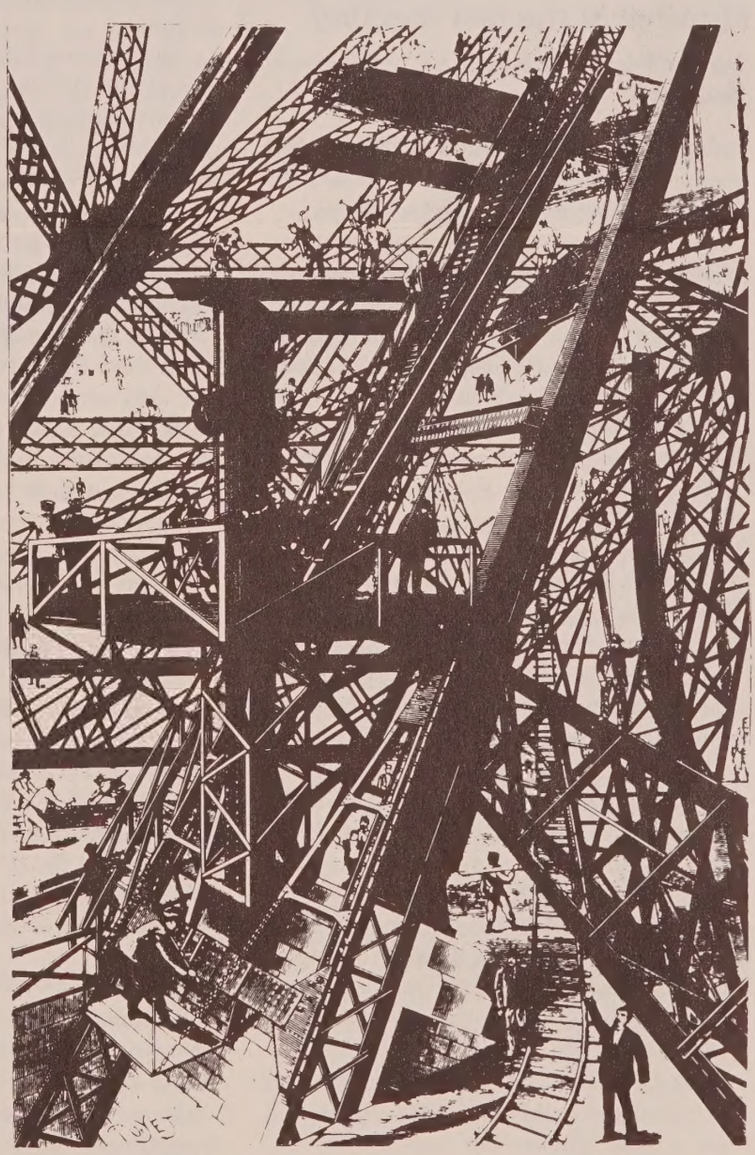
On the other side of the coin, an antenna with seven elements on 20 meters, stacked, two bays, could have a gain of 15 dB in the direction it's pointed. That's an ERP of 120 kW.

Someone is bound to ask: *Since I can only put up a low dipole shouldn't I be allowed—for ERP purposes—to compensate by running a 240-kW linear?*

This is not a difficult question to answer because the spectre of economics rears its head here. First off, Southern California Edison isn't going to furnish you with a free 440-volt drop to run that monster; and if $1-a-watt is the prevailing price of linears these days, the prospect of changing your antenna isn't really so bad after all. Antenna and height above ground—they're the ticket.

So the next time some big signal turns your radio on its side, go check out the guy's radiator before calling Livermore. If you find an antenna farm the likes of W6AM or K6RR, save your dime; it's only ERP.

Of course, you could always petition FCC for a maximum ERP rating of 1 kW. Come to think of it, that really would equalize things....



*The antenna—it's worth a little extra effort....*

# Burton

**Continued from page 1**

Real had found Burton guilty on two of three felony counts in the indictment, charging him with using obscenity, and all four misdemeanor counts of operating without a license (his was revoked last September 11). For the two felony counts, Burton drew two years apiece, and for the misdemeanors, one year each. Judge Real suspended the eight-year sentence, but Burton will be on probation for the that time, reporting to an assigned officer.

In sentencing the 37-year-old Burton to prison, Judge Real made reference to the advertising slogan of a fast-food chain—*Have it your own way*—pointing out that those words had characterized Burton's attitude toward the law.

An appeal is expected.

## Minutes of the last meeting

**By Joe Locascio, K5KT**
**Secretary**

The June meeting, held at the Department of Water and Power, began at 2020 with all present introducing themselves.

Jim, KM6B, our president, gave the status of the Burton case. Next, a reminder was made of the upcoming Summer Sprint, which is a 12-hour club effort running within the 48-hour IARU Radiosport on 10-11 July. The rules are in May 1982 *QST*.

Al, K6YRA, was recognized for his efforts in establishing the club members' standings for five-band listings. Everyone is encouraged to review old logs and provide a current five-band status.

Jim then discussed the club repeater and the recent audio problems. He made a personal plea for the users of the machine to withhold any comments pertaining to interference. In other words, jamming should not be acknowledged.

The July meeting, Jim reminded us, will be a "Pizza Bash" held at Shakey's in North Hollywood at 5321 Laurel Canyon Blvd. near Chandler. Jim mentioned a previous club member, Al, WB3GPR, whose current club on the East Coast has lost their 2-meter repeater in a fire. Anyone with extra 2-meter equipment which could help restore their repeater operation, either notify Al directly, or Len, NC6H.

Our DX club rubber stamp supply has been depleted and Don, N6IC, is gathering new orders. These club logo stamps are useful for all kinds of correspondence. Notify Don if you need one.

Jim then opened the meeting for any new business. A backup repeater was brought up and will be discussed in the coming weeks.

Don, W6UY, noted the numerous valuable DX contributions made by Vince Thompson, K5VT. Don then made the motion that Vince be named an honorary member of our club. K5KT seconded the motion and the vote was unanimous.

Jim summarized the Visalia DX Convention results and recognized the outstanding efforts of the convention committee. Everyone agreed and gave an impressive round of applause.

Following a short break, the meeting continued with Don, N6IC, presenting an interesting program on his Clipperton DX-pedition after showing several slides from BY1PK via JA1BK. These included shots of the TH6DXX perched about 15 feet above a multi-level building, the BY1PK operators, a very neat station layout and several of their QSLs.

Don went on to his Clipperton trip, introducing the 17-man team. He showed their pictures and gave brief sketches of the six American, eight French and three Swiss ops. Don, logistician for the trip, gave us a much deeper appreciation for problems of planning and supporting such an operation. His photography was excellent. There are numerous beautiful shots of the operation, both on the island and aboard the boat that took them there. His presentation included pictures not previously shown.

He gave us an excellent history of the desolate island, and its many visitors—four-legged as well as two-legged. He described the operations and equipment used. The six-day operation resulted in 29,000 QSOs—21,000 of which were with the U.S.A.

Finally came the prize drawing. N6RJ 2nd Ops were won by W6NNV, K6HY, W6TOG, WA6GUA, WB6KOU and W6RCL. Beam heading charts went to NC6H, W6JAZ and KA6UDL. NI6U won an Icom 2AT microphone, and a Daiwa CN520 power meter went to KC5JK. W6DQH won a Bencher paddle; NC6Q, a B&W 693 antenna switch; and K5KT a $50 gift certificate.

There being no further business, the meeting was adjourned at 2215.

## With the repeater

Because repeater trustee AD6P was out of town and could not attend the June 28 board meeting, all issues pertaining to the repeater were continued to the July 26 board meeting which will be held aboard N6AW's *Aurelius* in Marina del Rey.

# Activity reports

**W6RT:** **T30AT** 7006 0520 (QSL G3XZF), **VQ9CW** 14025 1330 (via WB1DQC), **VQ9SB** 14210 1446 (WA6IJZ), all on May 28; **FR0GGL** 7001 1342 (Box 386, St. Pierre) on the 29th; **4S7NB** 7008 1348 (Box 907, Colombo) and **FK8DD** 7007 1327 on the 30th; **ZK1AF** 7005 0629 (SM3CXS) on May 31; **WH0AAB** 14032 1453 on June 1; **VK6IT** 7005 1324 on the 2d; **VP5JEX** 7008 0259, **4S7XSG** 14012 1319 (DL7XS) on the 5th; **8Q7BQ** 7004 1310 (K9AJ) on June 7; **K6UA/MM** 7001 04 (Dale was 140 miles from 5A) on the 8th; **YC1BKQ** 7008 1324 on the 9th; **4K1D** 7006 0247 on the 10th; **YB5AES** 7005 1343 (W4BBP) on the 13th; **FR7CA** 7007 1315 (June 19); **K5YY/J8** 7004 0512 (K5YY) and **4K0A** 14032 1518 (on Ice Island, 82N 157E; via UA1ADQ) on the 21st; **VQ9XX** 14030 1358 on the 22d; **K6UA/MM** 7002 1318 on June 23 not far (12N 86E) from Bangladesh.

**N6IC:** **IQ5ARI** 14ssb 0347 (via I5HCH) and **CO7AM** at 0544 on June 5; **T32AB** 21290 1835 on the 12th; **T32AF** 14010 0538 on the 18th; **OH1TD/4U** 21252 0445 (via OH1TD) and **OZ7PI/5N9** 7008 0515 on June 19; **9U5WR** 14032 0353 and **4K1D** 7005 0401 (QSL UA1AFM).

**N6NI:** **FB8WG** 14222 1307 on May 22; **9H1EL** 21288 2134 on the 23d; **9N1MM** 14024 0119 on May 31 (QSL N7EB); **VQ9CI** 14208 1302, **3B8FK** 14004 1308, **FR7BP** 14003 1309 and again on 14203 at 1328—all at a 270-degree heading on June 12; **XP1AB** 14221 0202 on June 22; **JW6ZW** 14026 0245 and **T32AI** 14032 0240 on June 23; **OD5LX** 14030 0250 and **3B9CD** 14032 0345 and **F0GYM/FC** 14030 0400 on June 24.

**W6YQ:** **OH2BJK/OH0** 14022 0530 and **T32AF** 14005 0541 on June 18; **OD5LX** 14026 0310 and **VS5TT** 7005 1330 on the 21st; **VQ9XX** 14031 1315 (via N6BFA) on the 22d; **T32AI** 14032 0230 and **VS5TT** 14025 1305 on the 23d; **3B9CD** 14030 1310 on the 25th; **JW6ZW** 14021 0235 and **9U5WR** 14034 0503 on June 26th.

## W8HMI dies at 54

Frank Smith, W8HMI, died June 15 at the age of 54, reports Dr. Ted Cohen, N4XX.

Smith held the following calls: DX1HMI, JY1AU, 6O1AU, 5U7AU, FL8AU, TU2AU, TU2AU/5U7 and 6O1AU/5R8.

## *Patches for sale*

Visalia patches are being sold two for $1.50, and there should be some available at the upcoming meeting.

## DX news highlights

**Continued from Page 1**

**St. Paul Island** looks good for July 8-13. Calls will be **VE1SPI** and **VE1ASJ** during the IARU Radiosport—at which time two multi-op, single transmitter stations will be on, and **VE1SPI** prior to and following the contest weekend. Among the operators—**VE1CER/AK4L, W1XX, W1GNC, K1WJ, VE1FH** and **VE1AI. Jerry, AK4L,** says it will be an all-band operation in the true sense—they'll be on 160-10 meters as well as 6, 2 and 432 MHz. QSLs to **VE3EUF**. An SASE is required, but U.S. stamps will be acceptable due to his proximity to our border.

**The Knights of Malta** may be active in July, according to *QRZ DX*, possibly during the Radiosport, with intensive activity to follow in September. Cards for **1A0KM** go to **I0MGM.**

**Heinz, DF8MP/XZ** has returned to Burma and is being heard and worked on 15 SSB: 21250, 21295 16-17z. The *LIDX Bulletin* quotes him as saying he has verbal approval and will try to get something on paper for ARRL. QSL **DL2KAO**

**The troops have an ear out for K6UA** who might show from **Bangladesh** at any time. If he gets the license he'll be on 7006 and 14006.

Heavy CW should be emanating from **9M8** with the arrival of **Jim Smith, VK9NS,** and XYL **Kirsti, VK9NL**, about August 13 or 14 for three weeks.

**OH2BNL/C9** is on 15 SSB. He's in Mozambique with a UN assignment until the end of August. Documentation still is needed, but he believes he'll have it in hand soon. QSL **OH2BH.**

**From Geoff Watts: JA1DNG/YI,** reported on 21180 at 1224z, and 21267 at 1405. **Sori**, there for a year,is allowed only on 15 SSB. He also has been heard on 21286 and 21271 at 1800-1830, frequently in QSO with **G3NBC.**

**The nights on Crozet** are long, and **Georges, FB8WG,** seems to be finding more and more time to exchange reports with the Deserving (and the undeserving as well). Besides those chaotic list operations early Saturday and Sunday mornings, he shows at 14203-210, 14010, 14021 at 09-11z and sometimes 12-13z. QSL **F2CL.**

**W4MGN** is in Africa and in the next six weeks should show from the following stations: **EL2AG, 5Z4CZ, 9U5JM, D68AM, FH8CL** and one in **FR** during July; in August Ed will be signing his own call **/3B8** and operating **S79ARB** around the 8th. QSLs to **WA4VDE.**

**VQ9XX** on 14033 at 1335z; **JT1BM** on 14016 at 1350; **3B9CD** on 14030 at 1350; **SV0CJ/SV5** from the **Dodecanese** on 21011 at 1645.

**TL8CK** 28525 17-19 (QSL **F6EWM**); **D68AAB** 28590 at 12 (QSL **G4DYO**); **TJ1CK** 28580 16-18 (QSL **DL1HH**).

**ZL4OY/A, Campbell**, is on 3797 at 0530; **7Q7LW** 28505 18-1930z with some CW on 28038; **JW5OD** on 15 CW 15-16z with cards going to **LA6ZW; JW0P** shows on 15 CW and SSB at 11 and 14z, on 10 at 13, 20 at 17, 40 at 21 and 80 at 23.

**YK...OH1TD/4U** on 21247 at 1320, 14257 at 20; **OE1EHB/YK** on 21244 at 1130.

Finally, show someone who must be a true-blue DXer that you appreciate his sacrifice. Work **N0BNY/VP2K** on **St. Kitts** July 11-18, 160-10, mostly CW but with some SSB and RTTY. What's so special about VP2K, you say? Well, this guy's on his honeymoon. *(RTTY?)*QSL **W0OJU.**

## *SCDXC activities*

**July 8:** The Annual Pizza Bash, 7:30 at Shakey's, 5321 Laurel Canyon Blvd., No. Hollywood. For $5, you get all the pizza and chicken you can eat, *plus* one raffle ticket. At the top of the prize list, an IC2AT.

**July 10-11:** SCDXC Summer Sprint: take your best 12 hours out of the 48-hour Radiosport and you may win a plaque.

**August 12:** Regular meeting, 7:30 PM, DWP cafeteria.

**September 9:** Regular meeting, 7:30 PM, DWP cafeteria.

**October 14:** Club auction: bring items to sell. A percentage will go to the club. 7:30 PM at a location to be announced.

**November 4:** Regular meeting, *first* Thursday of the month, this month only; 7:30 PM, DWP cafeteria.

**December:** the annual Christmas party. Details to come.

**January 13, 1983:** Regular meeting, 7:30 PM, DWP cafeteria.

## Club members on Honor Roll

Mixed

318: **W6AM** (365), **W6EE** (361), **W6BA** (359), **W6PT** (357), **W6RT** (357), **W6KZL** (356), **W6ET** (352), **JA1BK** (347), **K6EV** (346), **W6REH** (346), **W6EL** (345), **W6FW** (344), **OH2BH** (342), **N6AV** (341), **W6EUF** (339). 317: **W6RKP** (354), **W6KG** (351), **N6AR** (343), **K6YRA** (340), **K6QH** (339). 316: **N6GM** (341), **W7CB** (334). 315: **W6UQQ** (349), **W6YA** (343), **W6KZS** (339), **YV5BBU** (334). 314: **W6HX** (359), **W7AO** (352), **W6HFL** (342), **N6UC** (330). 313: **W6QNA** (345), **W6YMV** (340), **W6GC** (326). 312: **W6EJJ** (332). 311: **N6DX** (340), **N6CW** (331), **N6AW** (326), **W6AE** (326). 310: **N6RJ** (322). 309: **W6SN** (345), **W6UY** (321).

Phone

318: **W6AM** (363), **W6REH** (342), **W6EUF** (338). 317: **W6RKP** (348), **W6EL** (342). 316: **JA1BK** (343), **W6FW** (341). 315: **W6BAF** (347), **K6YRA** (338). 314: **W6HFL** (342), **N6AR** (334). 313: **W6PT** (340), **W6YMV** (339), **N6UC** (329). 311: **K6NA** (336). 309: **N6AW** (324).

CW

297: **W6PT** (301).

DXCC WAZ
SO. CALIF DX CLUB

# Bulletin

*Published monthly by the Southern California DX Club.*

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*Deadline for August Bulletin: July 30*

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SO. CALIF DX CLUB
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## Summer Sprint July 10-11

**Continued from page 1**

The Sprint runs *concurrently* with the 1982 IARU Radiosport Championship. The Radiosport goes 48 hours. If you work the entire Radiosport, submit your best 12 hours for the Sprint.

The Radiosport gets under way at 0z July 10, ending at 24z July 11.

The SCDXC Sprint entrant must be a full member, associate member or honorary life member of the Southern California DX Club. He operates 12 hours, and from the time of the first overall contact to the time of the last overall contact, a maximum of three breaks may be taken. Breaks are to be shown in the log. Total operating time does not include time taken on a break.

The May 1982 *QST* has the rules and ITU zone list, but here are highlights. Multipliers are ITU zones on each band.

For QSO point count, your own zone is 1 point; same continent, different zone—3 points; different continent—5 points.

Scoring: your total QSO points multiplied by your zone total from all bands. Categories are CW only, phone only, or both modes. The same station may be worked *once only* per band. The exchange is RS(T) and your ITU zone.

The entrant may compete in one of three categories: I—Maximum legal power with multi-element antenna or rhombic; II—100 watts output maximum with multi-element antenna or rhombic *or* maximum legal power with dipole or vertical antenna; III—100 watts output maximum with dipole or vertical antenna.

Reporting procedures are the same as the Radiosport. In addition, an entry sheet signed by the entrant is required, showing call, license class, power/antenna, total operating time, and claimed score. Third party assistance, of course, is prohibited (no 2-meter spotting, no use of DX lists or nets).

Each entrant must observe FCC rules applicable to his license class. An entrant who, in the opinion of the judges, violates these rules or those of the competition is subject to disqualification.

## *New members*

**K6FG, Mark Weiss** (full), 16633 Ventura Blvd., #850, Encino 91436

**N6FKA, Chris Williams** (assoc), P.O. Box 812, Temple City 91780

**W6JQT, Lon Maddox, Sr.** (full), 23820 Daisetta Drive, Newhall 91321

**NG6W, Ned Jacoby** (assoc), Box 876, Balboa 92661

**W6WPY, Robert Hartley** (full), 16808 Ardath Avenue, Torrance 90504.

**N6CGB, Daniel Davitt**, 304 Loma Vista, El Segundo 90245

**KV6O, Mike Swaim**, 9146 Pico Visa Rd., #1, Downey 90240

**—W6CN**

## N4XX propagation

**A, H, L, B, D:** Above, High, Low, Below, Disturbed

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3 | L | 10 | B | 17 | L | 24 | B | 30 | L |
| 4 | H | 11 | L | 18 | A | 25 | L | 31 | H |
| 5 | H | 12 | L | 19 | L* | 26 | L | 1 | H |
| 6 | H/L | 13 | H | 20 | B | 27 | L | 2 | H/L |
| 7 | B | 14 | H | 21 | D | 28 | H | 3 | B |
| 8 | H/L | 15 | H | 22 | B | 29 | H | 4 | H/L |
| 9 | L | 16 | H | 23 | B | *Begins 54-day forecast | | | |

## State of the bands

Solar cycle 21 now is six years old and getting a bit long in the tooth, which is to say it no longer rolls with the punches the way it once did and seems to be staying down for more and more of the count when a solar flare zaps the ionosphere.

So be it. Propagation was generally good in early June and will be again. (Remember, *good* is relative, as are all things.) Solar activity is still relatively high, when you think about it. As far as 15 and 10 are concerned, they're alive and well and should be splendid next fall. And six meters—one never knows, does one?

## *Contest calendar*

| | |
|---|---|
| July 10-11 | **IARU Radiosport** |
| July 10-11 | ***SCDXC Sprint*** |
| July 24-25 | **Hungarian** |
| August 7-8 | **Romanian** |
| August 14-15 | **European CW** |

**—W1WY**